Broad Band Direct Current Amplifier with Both Positive and Negative Output

T-WBA01Z

Features

A compact but low-price broadband amplifier. Used as an amplifier for positioning before high-speed AD convertors etc., and thus of more than adequate bandwidth and gain. Supports 2 types of outputs: both positive and negative. Both match 50Ω , and hence capable of transmitting accurate waveforms. Very compact and light, and thus easily used anywhere.





Rear Panel

Specifications

Number of Inputs 1 Channel (BNC)

Input Resistance Switches between $50\Omega/1M\Omega$

Absolute Max. Input Voltage ±5Vp

Gain 26dB (light load)/20dB (50 Ω load) both \pm 0.3dB

Max. Output Voltage approx. $\pm 4.9 \text{Vp}$ (load resistance $1 \text{M}\Omega$) / approx. $\pm 2 \text{Vp}$ (load resistance 50Ω at output terminal)

Max. Output Current approx. ±50mAp

Frequency Band DC ~ 20MHz (-3dB)

Flank Time approx. 1V/20nsec (load 50Ω)

Noise Voltage approx. 2.5mVrms (output value with input short of 50Ω and load of $1M\Omega$ from 3Hz to 20MHz)

Offset Adjustable Range approx. ± 100 mV (output voltage, load 1M Ω)
Output Resistance 50 Ω for both inverted and non-inverted (BNC x 2)

Power Supply Voltage DC5V (isolated from internal circuit)

Consumed Current approx. 200 mA (accompanying AC/DC adaptor, AC100 V: 21mA)

Operating Temperature 5C ~ 45C

Dimensions 80 (W) x 35 (H) x 75 (D) mm (protrusions such as connectors not included)

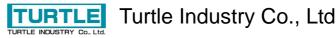
Weight approx. 170g (AC/DC adaptor and cables not included)

Accessories

AC/DC Adaptor Input AC100V ~ 240V output DC5V 1 unit Case Feet (set of 4) 1 set

Both the specifications and usage are subject to change from improvements. Free warranty period of 6 months.

We contract the development, design, and manufacture of various systems using electronic and computer technologies.



URL: http://www.turtle-ind.co.jp 1-12-4, Nishine Minami, Tsuchiura, Ibaraki, Japan, 300-0842

Tel: +81-29 (843) 0045 Fax: +81-29 (843) 2024

E-mail: tokyo@turtle-ind.co.jp